

INTERNATIONAL SEARCH REPORT

International Classification No

PCT/IB 03/03415

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L25/03 H04L27/26 H04L25/497

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEONG K-W ET AL: "PRECODER FOR DMT WITH INSUFFICIENT CYCLIC PREFIX" ICC '98. 1998 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS. CONFERENCE RECORD. NEW CENTURY COMMUNICATIONS. ATLANTA, GA, JUNE 7 - 11, 1998, IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, NY: IEEE, US, vol. 1 CONF. 5, 7 June 1998 (1998-06-07), pages 339-343, XP000898727 ISBN: 0-7803-4789-7	1,2,6-12
A	page 339, right-hand column, line 1 -page 341, right-hand column, line 7 figures 1,2 --- -/--	3-5

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the International search

28 November 2003

Date of mailing of the international search report

12/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Marselli, M

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PCT/IB 03/03415

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BENVENUTO N ET AL: "RECEIVER ARCHITECTURES FOR FMT BROADBAND WIRELESS SYSTEMS" VTC 2001 SPRING. IEEE VTS 53RD. VEHICULAR TECHNOLOGY CONFERENCE. RHODES, GREECE, MAY 6 - 9, 2001, IEEE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, NY, vol. 1 OF 4. CONF. 53, 6 May 2001 (2001-05-06), pages 643-647, XP001067039 ISBN: 0-7803-6728-6	9-11
A	page 643, right-hand column, line 14 -page 646, left-hand column, line 24 figures 1-4	1-8,12
P,X	----- BENVENUTO N ET AL: "EFFICIENT PRE-CODING SCHEMES FOR FMT BROADBAND WIRELESS SYSTEMS" PROCEEDINGS OF 13TH IEEE INTERNATIONAL SYMPOSIUM ON PERSONAL INDOOR AND MOBILE RADIO COMMUNICATIONS: PIMRC 2002, vol. 4, 15 - 18 September 2002, pages 1493-1497, XP010611514 Piscataway, NJ, USA page 1493, left-hand column, line 18 -page 1496, right-hand column, line 12 figures 1-4	1-12
P,X	----- US 6 597 745 B1 (DOWLING ERIC M) 22 July 2003 (2003-07-22) abstract	1,2,6-12
P,A	column 3, line 59 -column 5, line 61 column 18, line 49 -column 20, line 22 figures 1,5-7 -----	3-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No

PCT/IB 03/03415

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 6597745	B1	22-07-2003	NONE
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